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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
09/506,443	02/18/2000	Tetsuji Kawazura	P21-9056	8222		
7:	590 06/28/2002					
	KINTNER PLOTKI	EXAMINER				
	cut Avenue, N.W. Suite C 20036-5339	MULLIS, JEFFREY C				
			ART UNIT	PAPER NUMBER		
			1711	14		
			DATE MAILED: 06/28/2002	DATE MAILED: 06/28/2002		

Please find below and/or attached an Office communication concerning this application or proceeding.

	_		$\mathcal{M}$	AS-14
		Application No.	Applicant(s)	
Office Action Summary		09/506,443	KAWAZURA ET	AL.
		Examiner	Art Unit	
		Jeffrey C. Mullis	1711	
Period fo	- The MAILING DATE of this communication app	ears on the cover sheet w	ith the correspondence a	iddress
A SHO THE N - Exten after S - If the - If NO - Failur - Any re	DRTENED STATUTORY PERIOD FOR REPL' MAILING DATE OF THIS COMMUNICATION. sions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a reply period for reply is specified above, the maximum statutory period v e to reply within the set or extended period for reply will, by statute the ply received by the Office later than three months after the mailing d patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a representation of this within the statutory minimum of this will apply and will expire SIX (6) MON, cause the application to become AB	reply be timely filed  ty (30) days will be considered tin  ITHS from the mailing date of this  BANDONED (35 U.S.C. § 133).	nely. communication.
Status	- <b>-</b>			
1)⊠	Responsive to communication(s) filed on 201	<u>March 2002</u> .		
2a) <u></u> ☐	This action is <b>FINAL</b> . 2b)⊠ Th	is action is non-final.		
3)	Since this application is in condition for allows closed in accordance with the practice under			the ments is
·	on of Claims			
·	Claim(s) <u>1-17</u> is/are pending in the application			
	4a) Of the above claim(s) is/are withdra	wn trom consideration.		
·	Claim(s) is/are allowed.			
·	Claim(s) <u>1-17</u> is/are rejected.			
	Claim(s) is/are objected to.			
=	Claim(s) are subject to restriction and/o on Papers	r election requirement.		
9)□ 1	he specification is objected to by the Examine	r.		
10)□ Т	he drawing(s) filed on is/are: a)□ accept	oted or b) objected to by t	he Examiner.	
	Applicant may not request that any objection to the		·	
11)∐ T	he proposed drawing correction filed on		lisapproved by the Exam	iner.
_	If approved, corrected drawings are required in rep	-		
12)∐ Т	he oath or declaration is objected to by the Ex	aminer.		
_	nder 35 U.S.C. §§ 119 and 120			
13) 🗹	Acknowledgment is made of a claim for foreigr	priority under 35 U.S.C.	§ 119(a)-(d) or (f).	
a)[∑	ÂAII b)☐ Some * c)☐ None of:			
	1. Certified copies of the priority document	s have been received.		
	<ol><li>Certified copies of the priority document</li></ol>	s have been received in A	pplication No	
	3. Copies of the certified copies of the prior application from the International Bure the attached detailed Office action for a list	reau (PCT Rule 17.2(a)).		al Stage
14) 🗌 A	cknowledgment is made of a claim for domesti	c priority under 35 U.S.C.	§ 119(e) (to a provision	al application).
	☐ The translation of the foreign language procknowledgment is made of a claim for domesti	• •		
Attachment(				
2) Notice	of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of	Summary (PTO-413) Paper N Informal Patent Application (P	
S. Patent and Tra		tion Summary	Part (	of Paper No. 13

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This is in response to applicants' CPA request of 3-20-02. All remaining rejections follow.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. § 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

The following is a quotation of 35 U.S.C. § 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 117 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Kawauzura et al.

Kawauzura et al. disclose a composition in which two different incompatible rubbers are blended with an ABA block copolymer which is a block compatible with one rubber component and incompatible with the other. Note column 4 lines 22-54 in this regard. While it is not clear that applicants'

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characteristics are inherent in the composition, all other features are present and these characteristics are therefore assumed to be inherent. Note also in this regard that the block copolymer which is used in the Examples may have a molecular weight of 640,000. Note Footnote 5 in column 26 for Table II-1 in this regard. Patentees' block copolymers therefore have very high molecular weights and furthermore natural rubber is known to have a molecular weight at most which is generally far below this. Since applicants' characteristic describes a blend of polymers containing a block copolymer of minimum molecular weight and since the molecular weight of the block copolymer of patentees is very high, it would reasonably appear that applicants' characteristics are met by the reference.

Campbell et al., U.S. 4,221,681, cited of interest discloses that natural and unsaturated synthetic polymers generally have a molecular weight of 70,000-300,000. Note column 2 lines 66-68 in this regard. It would therefore reasonably appear that the natural rubber component of Kawauzura et al. would have a molecular weight which is far less than the blocks of the highest molecular weight block copolymer used in the Examples.

Applicants' arguments filed 6-11-02 have been fully considered but they are not deemed to be persuasive.

Applicants' remarks regarding Zanzig are moot since this rejection has been withdrawn.

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With regard to Kawauzura et al., applicants argue that their molecular weight characteristics are not disclosed or suggested by Kawauzura et al. However for the reasons set out above, it reasonably appears that Kawauzura et al. presents examples containing materials having applicants' characteristics given the very high molecular weight of the block copolymer which may be used by Kawauzura et al. and that applicants' claims define a block copolymer having a minimum molecular weight below which the limitations of the claims are not met.

With regard to applicants' request for an interview, applicants may contact the Examiner to schedule an interview.

Unfortunately there was no time for conducting an interview prior to this Office action since there was barely enough time to enter applicants' faxed amendment of 6-11-02.

Any inquiry concerning this communication should be directed to Jeffrey Mullis at telephone number (703) 308-2820.

J. Mullis:cdc
June 20, 2002

Jeffrey Mullis Primary Examine Art Unit 1711

